

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S26 3	1	("6723888").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/13 14:16
S26 4	237	polymerization same natural gas	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 14:17
S26 5	1	polymerization same natural gas same humidif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 14:17
S26 6	180	polymerization same (natural gas or LPG or ethane or propane or methane) and humidif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 14:31
S26 7	475	humid\$8 near5 (HC or hydrocarbon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 14:32
S26 8	48	S267 same polymeriz\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 14:35
S26 9	13	S268 not humidified nitrogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 15:06
S27 0	12	(("3,778,424") or ("4,182,813") or ("4,182,814") or ("4,472,559") or ("5,109,082") or ("5,346,971") or ("5,548,045") or ("5,955,553") or ("6,096,840") or ("6,117,956") or ("6,514,634") or ("4,705,654")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/13 15:25
S27 1	10	S270 and polymer\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 16:03
S27 2	3	S271 and (humid\$10 or moist\$\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 16:08
S27 3	149	butadiene with (humid\$10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 16:09

## EAST Search History

S27 4	67	S273 and polymerization	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/13 16:09
S27 5	13	("3778424"   "4182813"   "4182814"   "4472559"   "4705654"   "5109082"   "5346971"   "5548045"   "5955553"   "6096840"   "6117956"   "6514634").PN. OR ("6723888").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/13 16:41
S27 7	6	S276 same heater	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/13 16:43
S27 8	0	S276 same natural gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/13 16:43
S27 9	5	S276 same (natural gas or lpg or methane or ethane or propane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/13 16:43
S28 0	26055	polymerization same butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:16
S28 1	25	S280 and humidification	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:32

## EAST Search History

S28 2	38	(("4,050901") or ("3,970,607") or ("3,962,200") or ("3,801,555") or ("3,770,710") or ("3,759,879") or ("3,458,490") or ("3,389,130") or ("6,765,066") or ("6,770,771") or ("6,759,497") or ("6,753,447") or ("6,747,085") or ("6,706,830") or ("6,699,813") or ("6,693,160") or ("6,683,140") or ("6,306,976") or ("6,300,450") or ("6,242,546") or ("5,587,438") or ("5,395,903") or ("4,050,901") or ("3,970,607") or ("3,952,200") or ("3,801,555") or ("3,770,710") or ("3,759,879") or ("3,458,490") or ("3,389,130") or ("6,765,066") or ("6,770,771") or ("6,759,497") or ("5,017,539") or ("4,965,327") or ("4,948,847") or ("4,736,001") or ("4,710,553") or ("20040102589") or ("20040147694") or ("4,708,987") or ("4,699,960") or ("4,501,865") or ("4,325,915") or ("4,299,935") or ("4,169,870") or ("4,071,582") or ("20050131174")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 13:35
S28 3	0	S282 and humid\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:36
S28 4	7	S282 and moist\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:38
S28 5	126421	monomer same (moist\$4 or humid\$9 or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:38
S28 6	81530	monomer with (moist\$4 or humid\$9 or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:39
S28 7	16369	S286 and butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:39
S28 8	760	S286 and butadiene	EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:39
S28 9	4884	monomer with (moist\$4 or humid\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:39

## EAST Search History

S29 0	1132	S289 and butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 13:39
S29 1	35	S289 and butadiene	EPO; JPO; DERWENT	ADJ	ON	2007/12/18 14:10
S29 2	11	"520".clas.	EPO; JPO; DERWENT	ADJ	ON	2007/12/18 14:10
S29 3	32	"520".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:10
S29 4	32	"520".clas. or "521,522,523,524, 525,526".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:11
S29 5	264042	"520".clas. or "521".clas. or "522". clas. or "523".clas. or "524".clas. or "525".clas. or "526".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:12
S29 6	257	S295 and humidification	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:14
S29 7	31636	ziegler	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:14
S29 8	10825	S297 near Natta	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:15
S30 0	12	S298 and humidification	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:15
S30 1	9	("2918461"   "4029877"   "4278788"   "4314053"   "4332933"   "4372758").PN. OR ("4731438"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 14:22
S29 9	1332	S298 and humid\$8	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 15:39
S30 2	518	S298 same butadiene	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 15:39
S30 3	64	S302 and humid\$9	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 15:44
S30 4	0	"3,778,424" "4,182,813" -4,182,814 -4,472,559 -5,109,082 -5,346,971 -5,548,045 -5,955,553 -6,096,840 -6,117,956 -6,514,634 -4,705,654	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 15:45

## EAST Search History

S30 5	12	(("3,778,424") or ("4,182,813") or ("4,182,814") or ("4,472,559") or ("5,109,082") or ("5,346,971") or ("5,548,045") or ("5,955,553") or ("6,096,840") or ("6,117,956") or ("6,514,634") or ("4,705,654")).PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 16:01
S30 7	67	S306 same column	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:02
S30 6	7930	water with dissolv\$4 with monomer	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:16
S30 8	383	water with dissolv\$4 with butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:17
S30 9	9	S308 same column	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:43
S31 0	88419	polymerization near2 (reactor or reaction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:44
S31 1	2759	dissolv\$7 near3 water near8 (monomer or butadiene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:44
S31 2	1157	S310 and S311	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:44
S31 3	12999	polymerization reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:44
S31 4	772	S312 and "35"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:44
S31 5	137	S312 and S313	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:47

## EAST Search History

S31 6	8564	dissolv\$4 with (droplet or free water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:49
S31 7	74	S316 and polymerization reactor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:49
S31 8	2530	dissolv\$4 with (water near droplet or free water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:49
S31 9	553	S318 and polymerization	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:50
S32 0	102	S319 and butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 16:54
S32 1	53	S320 not image	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:00
S32 2	1644	liquid near liquid near3 contact	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:01
S32 3	24	S322 same emulsion	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:01
S32 4	29	S322 same emuls\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:01
S32 5	5	S324 and polymeri\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:27
S32 6	27904	water near droplet	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:27
S32 7	3016	S326 same emulsi\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:27

## EAST Search History

S32 8	764	S327 and polymerization	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:28
S33 0	1030	water layer same oil layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:34
S32 9	42	S328 and (pack\$3 near2 (material or bed or inert))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:36
S33 1	152	S330 and polymerization	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:36
S33 3	12	("2054273"   "4255777").PN. OR ("4618432").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 17:37
S33 2	1	S330 same (pack\$3 near2 (material or bed or inert))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:39
S33 4	3	S330 same butadiene	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:40
S33 5	119	S330 same dissolv\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:40
S33 6	55	S335 and polymer\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/12/18 17:41
S33 7	41	polymerization	FPRS	ADJ	ON	2007/12/19 07:48
S27 6	117	chromatograph same three-way	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:20
L3	1173	analyz\$3 same (three-way or three way)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:21
L4	51	3 same heater	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:29

## EAST Search History

L5	47	dew-point with heater	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:30
L6	16	moisture near3 analyz\$4 with heater	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:31
L7	1	moisture near3 analyz\$4 same heater and (three-way or three way)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:31
L9	117	chromatograph same three-way	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:33
L10	5	L9 same (natural gas or lpg or methane or ethane or propane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:33
L11	14318	chromatograph\$3 same (natural gas or lpg or methane or ethane or propane)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:34
L12	189	11 and (three-way or three way)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:34
L13	64	11 and (three-way or three way) with valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/27 13:52
L14	2	(("20050197474") or ("6111034")). PN.	US-PGPUB; USPAT	OR	OFF	2007/12/27 13:52